See also Field Book

MEXICAN PLANTS

collected Aug.-Sept. 1938

by

I. M. Johnston

Texas and Coahuila

Texas

7000 Cryptantha oblata (Jones) Payson
7001 Heliotropium Greggii Torr.
7002 Cryptantha albida (HBK) Johnston
7003 Cryptantha oblata (Jones) Payson
7004 Coldenia canescens DC.
7005 Coldenia mexicana Wats.

Piedras Negras — Monclova
Texas & Coahuila
7006 Castela texana (T & G) Rose
7007 Eupatorium Greggii Gray
7008 Dyssodia Berlandieri (DC) Blake.
7009 Psilostrophe gnaphalodes DC.
7010 Sporobolus Wrightii Munro Chase
7011 Commelina nudiflora L.?
7012 Cuscuta
7013 Roulinia unifaria Engelm.?
7014 Celtis pallida Torr.
7015 Condalia viridis nsp. TYPE
7016 Schaefferia cuneifolia Gray
7017 Triodia texana Wats. Chase
7018 Chloris latisquamea Nash unicate det. Chase
7019 Dalea lasianthera Gray
7020 Desmanthus depressus HBK
7021 Ruellia nudiflora var. occidentalis (Gray) Leonard
7022 Calyptocarpus vialis Less. --Blake
7023 Cordia podocephala Torr.
7024 Zexmenia hispida HBK.
7025 Lithospermum matamorense DC.
7026 Rivina humilis L.
7027 Salvia bellotaeflora Benth.
7028 Euphorbia acuta Engelm.
7029 Dyssodia micropoides (DC) Loesn.
7030 Verbesina
7031 Thelosperma
7032 Dalea frutescens Gray, var.
7033 Calliandra eriophylla Benth.
7034 Krameria Grayi Rose & Painter
7035 Heliotropium angustifolium Torr.
7036 Ipomoea Lindheimeri Gray.

7037 Diospyros texana Scheele
7038 Lippia Berlandieri Schauer
7039 Acacia vernicosa Standl.?
7040 Taxodium mucronatum Ten.
7041 Triodia albescens Vasey Chase
7042 Helenium microcephalum DC.
7043 Aristida adscensionis L. Chase
7044
7045 Karwinskia Humboldtiana Zucc.
7046 Euphorbia serpens HBK. det. W.[1]
7047 Pappophorum bicolor Fourn. Chase
7048 Citharexylum brachyanthum Gray
7049 Heliotrupium confertifolium Torr.
7050 Coldenia canescens DC.
7051 Thamnosma texana Torr.
7052 Polygala macradenia Gray
7053 Heliotropium confertifolium Torr.
7054 Lippia macrostachya (Torr.) Wats.
7055 Heliotropium angustifolium Torr.
7056 Cephalanthus salicifolium H.&B.
7057 Operculina dissecta (Jacq.) House
7058 Sartwellia mexicana Gray
7059 Thelosperma.
7060 Euphorbia astyla Eng. det. W.
7061 Euphorbia stictospora Eng.[1] det. W.
7062 Gaillardia
7063 Nama serpylloides var. velutinum Hitch. nsp. TYPE Hitchc.
7064 Drymaria lyrapetala Johnston
7065 Erigeron sp.
7066 Aplopappus nsp. = no. 7131
7067 Nerisyrenia camporum (Gray) Greene Rollins
7068 Coldenia canescens DC.
7069 Coldenia hispidissima (T.&G) Gray
7070 Coldenia canescens DC.
7071 Viguiera stenoloba Blake
7072 Peganum mexicanum Gray
7073 Prosopis cinerascens Gray
7074 Suaeda fruticosa (L.) Forsk.
7075 Atriplex texana Wats.?
7076 Amaranthus scleropoides Ul & Bray
7077 Perezia nana Gray
7078 Pectis angustifolia var. subaristata Gray.
7079 Florestina tripteris DC.
7080 Simsia sp.
7081 Heliotropium glabriusculum (Torr.) Gray
7082 Bahia absinthifolia Benth.

Monclova —Cuatro Cienegas

<u>Coahuila</u>

7083 Condalia spathulata Gray

7084 Euphorbia cumbrae Boiss? det. W.
7085 Triodia pulchella HBK. unicate det. Chase
7086 Bouteloua barbata Lag. unicate det. Chase
7087 Heterotheca Lamarckii Cass.
7088 Portulaca sp.
7089 Polanisia uniglandulosa (Car.) DC.
7090 Porophyllum scoparium Gray
7091 Triodia mutica (Torr.) Scribn. Chase
7092 Cheilanthes horridula Maxon CAW
7093 Lesquerella argyraea (Gray) Wats. Rollins
7094 Heliotropium Greggii Torr.
7095 Sida procumbens Sw.
7096 Cassia durangensis Rose.
7097 Croton Lindheimerianus Mull. Arg. Wheeler
7098 Dalea Wrightii Gray forma.
7099 Heliotropium confertifolium Torr.
7100 Selinocarpus angustifolius Torr.
7101 Sericodes Greggii Gray
7102 Karwinskia Humboldtiana Zucc.
7103 Aplopappus (§Isocoma) sp.
7104 Nerisyrenia camporum (Gray) Greene Rollins
7105 Eupatorium coelestinum L.
7106 Atriplex texana Wats.?
7107 Fraxinus sp.
7108 Cirsium excelsius (Robins.) Petrak
7109 Dyssodia Berlandieri (DC) Blake.
7110 Triodia mutica (Torr.) Scrib.
7111 Gaillardia
7112 Mentzelia pachyrhiza nsp.
7113 Talinum aurantiacum Engelm.
7114 Euphorbia exstipulata Eng.[1] det. W.
7115 Parthenium incanum HBK.
7116 Pectis angustifolia var. subaristata Gray
7117 Bouteloua barbata Lag. Chase
7118 Euphorbia prostrata Aiton det. W.
7119 Euphorbia sp. Wh.
7120 Coldenia hispidissima (T.&G.) Gray
7121 Menodora scabra (Engelm.) Gray
7122 Euphorbia sp.
7123 Euphorbia stictospora Eng.[1] det. W.
7124 Fuirena sp.
7125 Distichlis stricta (Torr.) Rydb. unicate det. Chase
7126 Nama serpylloides var. velutinum Hitchc. Hitchc.
7127 Suaeda mexicana Standley?
7128 Suaeda suffrutescens Wats.
7129 Monanthochloe littoralis Engelm. unicate det. Chase.
7130 Nerisyrenia incana Rollins nsp.
7131 Aplopappus nsp. = no. 7066

7132 Sporobolus phleoides Hack.? vel. sp. indet. Chase
7133 Sporobolus airoides (Torr.) Torr. Chase
7134 Meiomeria stellata (Wats.) Standley
7135 Euphorbia astyla Eng. det. W.
7136 Atriplex acanthocarpa (Torr.) Wat. forma.
7137 Sesuvium sp.
7138 Suaeda Palmeri Standley
7139 Allenrolfea occidentalis (Wats.) Kuntze
7140 Aplopappus trianthus Blake
7141 Nama stenophyllum Gray Hitchc.
7142 Pectis angustifolia var. subaristata Gray
7143 Talinum aurantiacum Engelm.
7144 Coldenia hispidissima (T.&G.) Gray
7145 Hoffmanseggia canescens Fisher.
7146 Abutilon sp. (=Purpus 4901)
7147 Cordia Greggii Torr.
7148 Salazaria mexicana Torr.
7149 Nerisyrenia camporum (Gray) Greene Rollins
7150 Lesquerella argyraea (Gray) Wats. Rollins
7151 Chaetopappa sp.
7152 Ditaxis neomexicana (Müll) Heller[1] det. W.
7153 Euphorbia scopularum Brandg.[1] det. W.
7154 Froelichia interrupta (L.) Moq.
7155 Anulocaulis eviosolenus (Gray) Standley
7156 Trixis radialis (L.) OK.
7157 Coldenia Greggii (T.&G) Gray
7158 Eucnide lobata Gray
7159 Selinocarpus angustifolius Torr.
7160 Euphorbia sp. det. W.
7161 Heliotropium angustifolium Torr.
7162 Carlowrightia nsp.
7163 Carlowrightia serphllifolia Gray
7164 Perezia runcinata Lag.
7165 Stenolobium incisum Rose & Standl.
7166 Brickellia Coulteri Gray.
7167 Notholaena Schaffneri (Fourn.) Underw. var. Nealleyi (Seaton) Weatherby CAW
7168 Randia Pringlei Gray
7169 Mascagnia lilacina (Wats.) Niedenz.
7170 Panicum Hallii Vasey Chase
7171 Bouteloua trifida Thurb. Chase
7172 Muhlenbergia Porteri Scribn. Chase
7173 Heliotropium Greggii Torr.
7174 Triodia mutica (Torr.) Scrib. Chase
7175 Nyctaginia capitata Choisy
7176 Menodora scabra (Engelm.) Gray var.
7177 Euphorbia prostrata Aiten det. W.
7178 Cyphomeris crassifolia Standley
7179 Kallstroemia parviflora Norton
7180 Sida sp.?
7181 Lippia ligustrina var.
7182 Gutierrezia eriocarpa Gray

7183 Euphorbia serrula Eng.[1] det. W.
7184 Euphorbia stictospora Eng.[1] det. W.
7185 Dalea lasianthera Gray
7186 Aphanostephus humilis Gray ?

Monclova — Saltillo

Coahuila

7187 Atriplex sp.
7188 Gossypianthus lanuginosus (Poir.) Moq.
7189 Boerhaavia sp.
7190 Kallstroemia parviflora Norton
7191 Celosia Palmeri Wats.
7192 Buddleja marrubiifolia Benth.
7193 Perezia runcinata Lag.
7194 Aplopappus spinulosus (Pursh.)DC.
7195 A. Euphorbia prostrata Aiton det. W.
_ Euphorbia serpens HBK
7196 Euphorbia serrula Eng. det. W.
7197 Buddleja marrubiifolia Benth.
7198 Acacia cuspidata Sch.
7199 Cassia Greggii Gray
7200 Bouteloua breviseta Vasey Chase
7201 Heliotropium confertifolium Torr.
7202 Houstonia acerosa Gray.
7203 Stevia sp.
7204 Bauhinia congesta (B.&R.) Lundell
7205 Notholaena candida (Mart. & Gal.) Hook CAW
7206 Pellaea microphylla Mett. CAW
7207 Cheilanthes horridula Maxon CAW
7208 Selaginella Wrightii Hieron CAW
7209 Notholaena Aschenborniana Kl. CAW
7210 Clematis Drummondii T.&G.
7211 Euphorbia cinerascens Eng. det. W.
7212 Colubrina Greggii Wats.
7213 Mortonia nsp.
7214 Fraxinus Greggii Gray
7215 Emorya suaveolens Torr.
7216 Metastelma Palmeri Wats.
7217 Vauquelinia corymbosa Correa
7218 Pistacia texana Swingle
7219 Zanthoxylum Fagara (L.) Sarg.
7220 Ephedra pedunculata Engelm.
Diospyros texana Scheele
7221 Spiranthes cinnabarina (Ll. & Lle$_x$) Lindl. det. Williams
7222
7223 Gochnatia hypoleuca Gray
7224 Selloa glutinosa Spreng.
7225 Heliotropium angustifolium Torr.
7226 Zexmenia brevifolia Gray - (Blake)
7227 Gutierrezia lucida Greene
7228 Cordia Boissieri ADC.

7229 Juglans rupestris Engelm.
7230 Aplopappus trianthus Blake - (Blake)
7231 Menodora scoparia Engelm.
7232 Dyssodia acerosa DC.
7233 Coldenia Greggii (T.&G.) Gray
7234 Coldenia Mexicana Wats.
7235 Notholaena sinuata (Lag.) Kaulf. var. crenata Lemmon CAW
7236 Selaginella lepidophylla (H.&A.) Spring CAW
7237 Aplopappus Hartwegi (Gray) Blake ?
7238 Psilostrophe gnaphalodes DC.
7239 Bahia absinthifolia Benth. var. dealbata Gray.
7240 Euphorbia cinerascens Eng. det. W.
7241 Coldenia canescens DC. = 7241A and 7241B
7242 Dyssodia acerosa DC.
7243 Polygala scoparioides Chodat.
7244 Atriplex muricata H.&B.
7245 Nicolletia Edwardsii Gray.

Mts. SE of Saltillo

Coahuila

7246 Asphodelus fistulosus L.
7247 Bouvardia ternifolia (Cav.) Schl.
7248 Dyssodia puberula (Rydb.) Standley
7249 Bouteloua hirsuta Lag. Chase
7250 Lycurus phleoides HBK. Chase
7251 Hilaria cenchroides HBK. Chase
7252 Triodia acuminata HBK. Chase
7253 Dyssodia setifolia (Lag.) Robins.
7254 Selloa glutinosa Cass
7255 Cowania plicata Don
7256 Gilia rigidula Benth. subsp. insignis Brand.
7257 Houstonia angustifolia Michx var.
7258 Cuphea aequipetala Cav.
7259 Euphorbia villifera Scheele Wheeler
7260 Hedoma
7261 Ayenia pusilla L.
7262 Acalypha Lindheimeri Mull. Arg. det. W.[1]
7263 Amelanchier denticulata (HBK) Koch.
7264 Chrysactinia mexicana Gray
7265 Dyssodia pinnata (Cav.) Robins.
7266 Scutellaria Drummondii Benth.
7267 Acalypha hederacea Torr. det. W.[1]
7268
7269 Notholaena limitanea Maxon var. mexicana Maxon CAW
7270 Cheilanthes Eatoni Baker CAW
7271 Heterotheca Lamarkii Cass.
7272 Lithospermum Palmeri Wats.

Saltillo - Concepcion del Oro

Coahuila

7273 Sphaeralcea subhastata Coulter
7274 Astragalus sp. (cf. A. Earlei Greene)
7275 Gaillardia comosa Gray.
7276 Selloa glutinosa Spring
7277 Buddleja scordioides HBK
7278 Solidago velutina DC
7279 Cryptantha albida (HBK) Johnston
7280 Hoffmanseggia densiflora Benth.
7281 Hoffmanseggia canescens Fisher
7282 Aplopappus spinulosus (Pursh.) DC.
7283 Aster Leucelene Blake
7284 Ephedra aspera Engelm.
7285 Zalùzania Robinsonii Sharp
7286 Pentstemon sp.
7287 Eriogonum ciliatum Torr.
7288 Muehlenbergia dubia Fourn. Chase
7289 Muehlenbergia rigida (HBK) Kunth. Chase
7290 Sitanion Hystrix (Nutt.) J.G.Smith Chase
7291 Aristida curvifolia Fourn. Chase
7292 Actinea scaposa var. linearis (Nutt.) Rob. & Actinea sp.
7293 Verbesina
7294 Erigeron sp.
7295 Lesquerella Fendleri Wats. Rollins
7296 Stipa tenuissima Trin. Chase
7297 Stipa neomexicana (Thurb.) Scrib. Chase
7298 Stipa eminens Cav. Chase
7299 Bouteloua uniflora Vasey Chase
7300 Eurotia lanata (Pursh.) Moq.
7301 Actinea odorata (DC.) Kuntze
7302 Parthenium Hysterophorus L.
7303 Stipa editorum Fourn. (Chase)
7304 Muehlenbergia arenicola Buckl. (Chase)
7305 Muehlenbergia Thurberi Rydb. (Chase)
7606 Carex
7307 Triodia pulchella HBK (Chase)
7308 Viguiera dentata (Cav.) Spreng. - (Blake)
7309 Iva dealbata Gray
7310 Mortonia Palmeri Hemsl.
7311 Viguiera Greggii (Gray)Blake - (Blake)
7312 Metastelma barbigerum Scheele
7313 Buddleja marrubiifolia Benth.
7314 Buddleja scordioides HBK
7315 Selloa glutinosa Spreng.
7316 Lippia Wrightii Gray
7317 Coldenia Greggii (T.&G.) Gray
7318 Zexmenia brevifolia Gray - (Blake)
7319 Atriplex canescens (Pursh.) Nutt.
7320 Mentzelia hispida Willd.
7321 Atriplex muricata H.&B.
7322 Viguiera stenoloba Blake - (Blake)

7323 Dyssodia puberula (Rydb.) Stand.
7324 Cuscuta
7325 Zinnia pumila Gray - (Blake)
7326 Dyssodia acerosa DC.
7327 Dalea capitata Wats.
7328 Bakia absinthifolia Benth.
7329 Nerisyrenia camporum (Gray) Greene Rollins
7330 Selloa glutinosa Spreng.
7331 Nama dichotomum var. pueblense (R.&G.) Maclur. Hitchc.
7332 Cryptantha albida (H.B.K.) Jtn.
7333 Lycium Berlandieri Dunal
7334 Atriplex acanthocarpa (Torr.) Wats.
7335 Atriplex acanthocarpa (Torr.) Wats.
7336 Lycium leiospermum nsp.
7337 Aplopappus venetus (HBK) Blake.
7338 Peganum mexicanum Gray
7339 Suaeda Palmeri Standley
7340 Suaeda Palmeri Standley
7341 Atriplex obovata Moq.
7342 Atriplex acanthocarpa (Torr.) Wats.
7343 Acacia constricta Benth.
7344 Drymaria polycarpoides Gray
7345 Euphorbia sp. W.
7346 Asclepias brachystephanus Engelm.

Concepcion del Oro — Cárdona

Zacatecas

7347 Zinnia juniperifolia Gray - (Blake)
7348 Castilleja lanata Gray
7349 Lindleya mespiloides HBK
7350 Zaluzania Robinsonii Sharp
7351 Citharexylum brachyanthum Gray
7352 Coldenia Purpusii Brandg.
7353 Leucophyllum minus Gray
7354 Mortonia Palmeri Hemsl.
7355 Dalea tuberculata Lag.
7356 Iva dealbata Gray
7357 Sphaeralcea angustifolia (Cav.) Don ?
7358 Bouteloua sp. "possibly new" Chase
7359 Hoffmanseggia canescens Fisher
7360 Physalis
7361 Stipa editorum Fourn. Chase
7362 Sporobolus Wrightii Munro
7363 Castilleja lanata Gray
7364 Euphorbia sp. Wheeler
7365 Salvia ballotaeflora Benth.
7366 Dicraurus leptocladus Benth (amar.)
7367 Cryptantha albida (HBK) Jtn.
7368 Viguiera stenoloba Blake - (Blake)
7369 Atriplex muricata H.&B.
7370 Perezia Parryi Gray

7371 Leptochloa dubia (HBK) Nees Chase
7372 Bouteloua gracilis (HBK) Lag. Chase
7373 Muhlenbergia arenicola Buckl. Chase
7374 Aristida hamulosa Henr. Chase

Cardona — Sierra Hermosa

7375 Berberis sp. (new) = no. 7423
7376 Acleisanthes acutifolia Standley
7377 Cassia sp. (= Palmerocassia Painteri Britt)
7378 Psilostrophe gnaphalodes DC.
7379 Bahia absinthifolia Benth.
7380 Dyssodia setifolia (Lag.) Rob.
7381 Lippia Wrightii Gray
7382 Verbesina
7383 Pentstemon
7384 Perezia Parryi Gray
7385 Heterosperma pinnatum Cav. - (Blake)
7386 Talinopsis frutescens Gray
7387 Euphorbia stictospora Eng. det. W.
7387A Talinum sp.
7388 Euphorbia sp.
7388 bis Citharescylum brachyanthum Gray
7389 Dalea (cf. P. argyrostachys)
7390 Dalea tuberculata Lag.
7391 Forestiera puberula Eastw.
7392 Zaluzania mollissima Gray - (Blake)
7393 Euphorbia serrula Eng. det. W.
7394 Lycium Berlandieri Dunal
7395 Comp-Eupat? new sp. and perhaps new genus.
7396 Selloa glutinosa Spreng.
7397 Lindleya mespiloides HBK
7398 Viguiera linearis (Cav.) Sch. Bip. - (Blake)
7399 Andropogon perforatus Trin. Chase
7400 Flourensia dentata Blake
7401 Flaveria oppositifolia (DC) Rydb.
7402 Nerisyrenia linearifolia (Wats.) Greene Rollins
7403 Phacelia integrifolia Torr. var.
7404 Aplopappus venetus (HBK) Blake
7405 Sartwellia humilis nsp.

Sierra Hermosa — Zacatecas

7406 Nama hispidum Gray forma Hitchc.
7407 Dicranocarpus parviflorus Gray
7408 Dalea cf. argyrostachys
7409 Condalia fasciculata Jtn.
7410 Guilleminea densa (Willd.) Moq.
7411 Cerdia glauca Hemsl.
7412 Pectis angustifolia var. subaristata Gray.
7413 Galinsoga parviflora Cav.
7414 Mimosa biuncifera Benth.
7415 Dyssodia tenuifolia (Cass.) Loes.
7416 Artemisia mexicana Willd.
7417 Talinopsis frutescens Gray

7418 Muhlenbergia tenuifolia (HBK) Kunth. Chase
7419 Panicum obtusum HBK
7420 Ephedra compacta Rose?
7421 Achyronychia
7422 Tidestromia lanuginosa (Nutt.) Standl.
7423 Berberis sp. = 7375
7424 Mimosa zygophylla Benth.
7425 Lycium pallidum Miers
7426 Dyssodia tenuifolia (Cass.) Loes.
7427 Sporobolus pyramidatus (Lem.) Hitchc. Chase
7428 Buchloe dactyloides (Nutt.) Engelm. Chase
7429 Leptochloa fascicularis (Lam.) Gray Chase
7430 Atriplex linifolia H.&B.
7431 Juncus balticus Willd.
7432 Suaeda maritima (L.) Dum.
7433 Flaveria oppositifolia (DC) Rydb.
7434 Suaeda maritima (L.) Dum.
7435 Suaeda maritima (L.) Dum.
7436 Suaeda maritima (L.) Dum.
7437 Cleomella longipes Torr.
7438 Eryngium Wrightii Gray
7439 Eysenhardtia
7440 Acacia tortuosa Benth.
7441 Flourensia dentata Blake
7442 Selloa glutinosa Spreng.
7443 Kuhnia rosmarinifolia Vent.
7444 Gnaphalium sp.
7445 Viguiera linearis (Cav.) Sch. Bip.
7446 Mimosa biuncifera Benth.
7447 Buddleja scordioides HBK
7448 Croton gracilis Müll.Arg. det. W.
7449 Dalea tuberculata Lag.
7450 Clematis Drummondii T.&G.
7451 Acacia constricta Benth. Zacatecas → P.P.
7452 Lamourouxia tenuifolia M.&G.
7453 Grindelia sp.
7454 Zaluzania globosa Sch.Bip. var. myriophylla Sharp
7455
7456 Adolphia infesta (HBK) Meissn.
7457 Aristida barbata Fourn. Chase
7458 Asphodelus fistulosus L.
7459 Dalea leporina (Aiton)
7459A Dalea citriodora Cav.
7460 Eragrostis diffusa Buckl. Chase
7461 Bouteloua simplex Lag. Chase
7462 Milla biflora Cav.
7463 Dalea tuberculata Lag.
7464 Perymenium
7465 Cleomella longipes Torr.
7466 Atriplex linifolia H.&B.
7467 Atriplex muricata H.&B.
7468 Trifolium goniocarpum Loj.
7469 Astragalus
7470 Nama hispidum var. Mentzelii Brand. Hitch.
7471 Nama undulata HBK Hitchc.
7472 Townsendia mexicana Gray

7473 Astragalus Wootoni Sheldon ?
7474 Phaseolus heterophyllus Willd.
7475 Stevia sp.
7476 Tagetes micrantha Cav.
7477 Heterosperma pinnatum Cav.
7478 Dyssodia puberula (Rydb.) Standl.
7479 Coldenia canescens DC.
7480 Adolphia infesta (HBK) Meissn.
7481 Eriogonum Wrightii Torr.
7482 Gnaphalium sp.
7483 Phaseolus heterophyllus Willd.
7484 Galinsoga parviflora Cav.
7485 Perymenium
7486 Zornia diphylla (L.) Pers.
7487 Desmodium procumbens
7488 Cyperus spectabilis Link
7489 Stevia sp.
7490 Eupatorium scorodonioides Gray
7491 Atriplex muricata H.&B.
7492 Zaluzania triloba (Ort.) Pers.
7493 Carex
7494 Viguiera cordifolia Gray - (Blake)
7495 Bacopa procumbens (Miller) Greenm.
7496 Spergularia mexicana Hemsl.
7497 Oxalis Wrightii Gray
7498 Polygala compacta Rose
7499 Cerdia glauca Hemsl.
7500 Bouchetia anomala Britt. & Rusby.
7501 Cardionema multicaulis DC.

S. Luis Potosi — Matehuala

<u>S. Luis Potosi</u>

7502 Coldenia canescens DC.
7503 Nama Palmeri Gray Hitchc.
7504 Synthlipsis Greggii Gray Rollins
7505 Karwinskia mollis Schlecht.
7506 Coldenia Purpusii Brandg.
7507 Gutierrezia eriocarpa Gray
7508 Maytenus phyllanthoides Benth.
7509 Nerisyrenia linearifolia (Wats.) Greene Rollins
7510 Nama canescens Hitchc. TYPE Hitchc.
7511 Euphorbia sp.
7512 Condalia fasciculata Jtn.
7513 Drymaria lyrapetala Johnston
7514 Dicranocarpus parviflorus Gray
7515 Flaveria anomala Robins.
7516 Dalea filiciformis Rob. & Greenm.
7517 Atriplex muricata H.&B.
7518 Flaveria anomala Robins.
7519 Zaluzania Robinsonii Sharp
7520 Bahia absinthifolia Benth.
7521 Gutierrezia eriocarpa Gray) mixture
7521A G. Berlandieri Gray)

7522 Chamaesaracha
7523 Cuscuta
7524 Flaveria anomala Robins.
7525 Nerisyrenia linearfolia (Wats.) Greene Rollins
7526 Dyssodia setifolia (Lag.) Robins.
7527 - 7566 omitted
7567 Sartwellia humilis nsp.
7568 Bursera fagaroides (HBK) Engl.
7569 Leucophyllum ambiguum H.&B.
7570 Acacia constricta Benth.
7571 Bauhinia aff. Purpusii (B.&R.) Lundell.
7572 Heliotropium angustifolium Torr.
7573 Notholaena sinuata (Lag.) Kaulf. var. crenata Lemmon transitional CAW
7574 Stenophyllus capillaris (L.) Britt.
7575 Coldenia Purpusii Brandg.
7576 Dalea tuberculata Lag.
7577 Cuphorbia cinerascens Eng. det. W.
7578 Dyssodia pinnata (Cav.) Robins.
7579 Karwinskia mollis Schlecht. Notholaena nearest to Durangensis.
7580 Gerardia Greggii Wats.
7581 Lepidium montanum Nutt. var. alyssoides (Gray) Jones Rollins
7582 Flaveria oppositifolia (DC) Rydb.
7583 Nerisyrenia linearifolia (Wats.) Greene Rollins
7584 Nama canescens Hitchc. Hitchc.
7585 Dalea filiciformis Rob. & Greenm.
7586 Ephedra pedunculata Engelm.
7587 Lycium Berlandieri Dunal.
7588 Dicranocarpus parviflorus Gray
7589 Polygala alba Nutt. var. tenuifolia (Pursh) Blake
7590 Dyssodia acerosa DC.
7591 Castilleja lanata Gray
7592 Bouteloua gracilis (HBK) Lag. Chase
7593 Condalia fasciculata nsp.
7594 Drymaria lyrapetala nsp.
7595 Bahia aristata Rydb.
7596 Aplopappus spinulosus (Pursh.) DC.
7597 Viguiera dentata (Cav.) Spreng. (Blake)
7598 Atriplex obovata Moq.
7599 Atriplex obovata Moq.
7600 Atriplex acanthocarpa forma (= A. Pringlei Standl.?)
7601
7602 Atriplex = 7600
7603 Suaeda fruticosa (L.) Forsk.
7604 Aplopappus venetus (HBK) Blake
7605 Lycium modestum nsp. TYPE
7606 Flourensia cernua DC.
7607 Selloa glutinosa Spreng
7608 Buddleja scordioides HBK
7609 Muhlenbergia repens (Presl.) Hitchc. Chase
7610 Lycium nsp. (aff. L. californicum)
7611 Lycium leiospermum nsp. TYPE
7612 Atriplex canescens (Pursh.) Nutt.
7613 Baccharis neglecta Britt.

7614 Frankenia gypsophila nsp.
7615 Muhlenbergia Thurberi Rydb. Chase
7616 Nerisyrenia linearifolia (Wats.) Greene Rollins
7617 Atriplex abata nsp.(TYPE)
7618 Peganum mexicanum Gray
7619 Suaeda fruticosa (L.) Forsk.

boundary north to Saltillo

Coahuila

7620 Dyssodia tenuifolia (Cass.) Loes.
7621 Zinnia pumila Gray — (Blake)
7622 Castilleja lanata Gray
7623 Iva dealbata Gray
7624 Zaluzania Robinsonii Sharp
7625 Viguiera dentata (Cav.) Spreng.
7626 Perezia Wrightii Gray
7627 Flourensia cernua DC.
7628 Verbesina
7629 Aplopappus spinulosus (Pursh) DC
7630 Candalia Lloydii Standley
7631 Lycium Berlandieri Dunal
7632 Citharexylum brachyanthum Gray
7633 Nama hispidum Gray forma Hitchc.
7634 Sartwellia humilis nsp.
7635 Tidestromia lanuginosa (Nutt) Standl.
7636 Aplopappus spinulosus (Pursh.) DC.
7637 Lepidium montanum Nutt. var. alyssoides (Gray) Jones Rollins
7638 Nerisyrenia linearifolia (Wats.) Greene Rollins
7639 Solanum triquetrum Cav.
7640 Solanum triquetrum Cav.
7641 Dicranocarpus parviflorus Gray
7642 Muhlenbergia Thurberi Rydb. Chase
7643 Euphorbia cf. stictospora Engelm. Wheeler
7644 Oenothera Hartwegi Benth. typica
7645 Gaura coccinea Nutt var. parviflora (Torr.) T.&G.
7646 Thelosperma scabridulum Blake — (Blake)
7647 Flaveria anomala Robins.
7648 Atriplex abata nsp.
7649 Atriplex obovata Moq.
7650 Suaeda fruticosa (L.) Forsk.
7651 Coldenia Purpusii Brandg.
7652 Eurotia lanata (Pursh.) Moq.
7653 Dysodia papposa (Vent.) Hitch.
7654 Orobanche sp.
7655 Flourensia cernua DC.
7656 Villadia cucullata Rose (crassulaceae)

Saltillo — Tareon highway (to Parras)

Coahuila

7657 Viguiera stenoloba Blake — (Blake)
7658 Euphorbia cinerascens Eng.[1] det. W.
7659 Phyllanthus polygonoides Nutt det. W.[1]
7660 Notholaena Aschenborniana Kl. CAW
7661 Evolvulus Purpusii v. Oostr.
7662 Heliotropium angustifolium Torr.
7663 Menodora helianthemoides H.&B. var. Engelmanii Steyerm.
7664 Mimosa zygophylla Benth.
7665 Palafoxia texana DC.
7666 Atriplex acanthocarpa (Torr.) Wats.
7667 Polygala macrodenia Gray
7668 Nerisyrenia camporum (Gray) Greene Rollins
7669 Dyssodia acerosa DC.
7670 Coldenia mexicana Wats.
7671 Mimosa Emoryana Benth.
7672 Euphorbia sp. det. W.
7673 Euphorbia serrula Eng.[1] det. W.
7674 Euphorbia cinerascens Eng. det. W.[1]
7675 Euphorbia stictospora Eng. det. W.[1]
7676 Zexmenia brevifolia Gray — (Blake)
7677 Krameria Grayi Rose & Painter
7678 Pectis angustifolia var. subaristata Gray
7679 Coldsnia Greggii (T.&G.) Gray
7680 Chaetopappa sp.
7681 Buddleja marrubiifolia Benth.
7682 Viguiera stenoloba Blake — (Blake)
7683 Parthenium argentatum Gray
7684 Drymaria pachyphylla Woot & Standl.
7685 Ditaxis neomexicana var. [1] det. W.
7686 Nicolletia Edwardsii Gray
7687 Coldenia mexicana Wats.
7688 Heliotropium Greggii Torr.
7689 Gutierrezia eriocarpa Gray
7690 Aplopappus trianthus Blake — (Blake)
7691 Euphorbia serrula Eng.[1] det. W.
7692 Euphorbia serpens HBK det. W.
7693 Euphorbia serpens HBK det. W.[1]
7694 Euphorbia cinerascens Eng.[1] det. W.
7695 Atriplex acanthocarpa (Torr.) Wats.
7696 Nerisyrenia camporum (Gray) Greene Rollins
7697 Bouteloua breviseta Vasey Chase
7698 Lycium Berlandieri Dunal
7699 Selinocarpus angustifolius Torr.
7700 Psathyrotes Purpusii Brandg.
7701 Anulocaulis eriosolenus (Gray) Standley

Parras to Peña, Viesca

Coahuila

7702 Atriplex acanthocarpa (Torr.) Wats.
7703 Baccharis glutinosa Pers.
7704 Flaveria trinervia (Spreng.) Mohr.
7705 Sartwellia mexicana Gray
7706 Condalia vividis Jtn. var.
7707 Heterotheca Lamarckii Cass
7708 Funastrum lineare (Done) Macbr. var.
7709 Varilla mexicana Gray
7710 Metastelma barbigerum Scheele
7711 Acacia constricta Benth.
7712 Lippia Wrightii Gray
7713 Lycium Berlandieri Dunal
7714 Trixis radialis (L.) Kuntze
7715 Euphorbia exstipulata Eng.[1] det. W.
7716 Janusia gracilis Gray
7717 Mentzelia pachyrhiza nsp.
7718 Gilia rigidula Benth.
7719 Suaeda Palmeri Standley
7720 Ditaxis neomexicana (Müll) Heller [1] det. W.
7721 Leucophyllum minus Gray
7722 Viguiera stenoloba Blake -- (Blake)
7723 Colubrina texensis (T&G) Gray
7724 Acacia crassifolia Gray
7725 Euphorbia sp.
7726 Echinopterys setosa Brandg.
7727 Nerisyrenia camporum (Gray) Greene Rollins
7728 Aplopappus trianthus Blake
7729 Euphorbia nicromeris Boiss Wheeler
7730 Aplopappus Hartwegi (Gray) Blake?
7731 Grindelia oxylepis Greene
7732 Atriplex monilifera Wats.
7733 Allenrolfea occidentalis (Wats.) Kuntze
7734 Frankenia grandiflora C.&S. var. campestris Gray
7735 Helianthus ciliaris DC. -- (Blake)
7736 Cuscuta truxillensis HBK.
7737 Allenrolfea occidentalis (Wats.) Kuntze
7738 Atriplex acanthocarpa (Torr.) Wats.
7739 Suaeda suffrutescens Wats.
7740 Nama Johnstonii Hitchc. nsp. (TYPE) Hitchc.
7741 Carlowrightia serpyllifolia Gray
7742
7743 Cheilanthes horridula Maxon CAW
7744 Notholaena Standleyi Maxon CAW very yellow indument
7745 Cheilanthes leucopoda Link & Heliotrop. angustifolia
7746 Aristolochia brevipes Benth.
7747 Viguiera

Bermejillo to Palmito Dam.

Durango

7748 Dyssodia Berlandieri (DC) Blake
7749 Kallstroemia grandiflora Torr.
7750 Cordia Greggii Torr.
7751 Chamaesaracha villosa Rydb.
7752 Pectis angustifolia var. subaristata Gray
7753 Nerisyrenia camporum (Gray) Greene Rollins
7754
7755 Florestina tripteris DC.
7756 Dyssodia Hartwegii (Gray) Robins.
7757 Zexmenia brevifolia Gray (Blake)
7758 Nerisyrenia camporum (Gray) Greene (Rollins)
7759 Eysenhardtia
7760 Heliotropium angustifolium Torr.
7761 Mascagnia sericea (Engelm.) Niedenz.
7762 Coldenia hispidissima (T.&G.) Gray forma
7763 Antiphytum floribundum (Torr.) Gray
7764 Zexmenia brevifolia Gray (Blake)
7765 Viguiera brevifolia Greenm. (Blake)
7766 Salvia belloptaeflora Benth.
7767 Dyssodia cancellata Cav.
7768 Dalea Greggii Gray
7769 Brogniartia sp.
7770 Acalypha hederacea Torr.[1] det. W.
7771 Vauquelinia californica (Torr.) Sarg.
7772 Verbesina
7773 comp.-Helen. Bahia? new!
7774 Aplopappus gymnocephalus ??
7775 Viguiera cordifolia Gray — (Blake)
7776 Heterosperma pinnatum Cav. det. Blake
7777 Pinaropappus roseus Less.
7778 Parymenium
7779 Euphorbia stictospora Eng.[1] det. W.
7780 Euphorbia indivisa (Eng.) Tidestr. det. W.
7781 Leucophyllum laevigatum Standley
7782 Dalea lachnostachys Gray
7783 Halliophytum fasciculatum (Wats.) Jtn.

Bermejillo to Zaragoza & Mojovano

Durango

7784 Atriplex obovata Moq.
7785 Trianthema Portulacastrum L.
7786 Eragrostis arida Hitchc. Chase
7787 Sporobolus pyramidatus (Lam.) Hitchc. Chase
7788 Hilaria mutica (Buckl.) Benth. Chase
7789 Condalia lycioides Gray
7790 Drymaria pachyphylla W&S
7791 Sida hederacea Torr.
7792 Notholaena sinuata (Lag.) Kaulf. var. crenata Lemmon CAW
7793 Cheilanthes horridula Maxon CAW
7794 Ditaxis neomexicana (Müll) Heller det. W.

7795 Nicolletia Edwardsii Gray
7796 Pectis angustifolia var. subaristata Gray
7797 Sphaeralcea hastulata Gray
7798 Coldenia hispidissima (T&G) Gray
7799 Aplopappus trianthus Blake
7800 Euphorbia sp. det. W.
7801 Euphorbia sp. det. W.

Mojovano to Estanque Stat.(via Lag. del Rey)

Coahuila

7802 Heliotropium Greggii Torr.
7803 Heliotropium sp. (=Tournefortia Monclovana Wats.)
7804 Coldenia hispidissima (T&G) Gray
7805 Dicranocarpus parviflorus Gray
7806 Euphorbia scopulorum Brandg. det. W.
7807 Selinocarpus Purpusianus Hiemerl.
7808 Petalonyx crenatus Gray
7809 Euphorbia Wrightii T&G det. W.
7810 Fouquieria splendens Engelm.
7811 Mentzelia multiflora (Nutt.) Gray
7812 Nana stenophyllum Gray Hitchc.
7813 Anulocaulis eriosolenus (Gray) Standley
7814 Nerisyrenia camporum (Gray) Greene Rollins
7815 Fouquieria Shrevei nsp.
7816 Cottea papphoroides Kunth Chase
7817 Euphorbia exstipulata Eng.[1] det. W.
7818 Sartwellia mexicana Gray
7819 Varilla mexicana Gray
7820 Lycium puberulum Gray
7821 Zinnia oligantha nsp.
7822 Tidestromia tenella nsp.
7823 Drymaria grandis nsp.
7824 Pectis incisifolia nsp. TYPE
7825 Aster nsp.

Lag. Palomas - Escalon - Jimenez

Chihuahua

7826 Polypteris sphacelata (Nutt.) Treal.
7827 Pectis incisifolia Johnston nsp.
7828 Zexmenia brevifolia Gray — (Blake)
7829 Heliotropium convolvulaceum (Nutt.) Gray
7830 Dithyrea Wislezeni Engelm. Rollins
7831 Heliotropium sp. annual herb
7832 Acacia cuspidata Schl.
7833 Viguiera brevifolia Greenm. - Blake
7834 Polanisia uniglandulosa (Cav.) DC.

7834 Halliophytum fasciculatum (Wats.) Jtn.
7835 Bahia glandulosa Greenm.
7836 Pectis Pringlei Fernald
7837 Pectis filipes Harv. & Gray
7838 Heliotropium confertifolium Torr.
7839 Dyssodia polychaeta (Gray) Robins.
7840 Hibiscus denudatus Benth.
7841 Drymaria polycarpoides Gray
7842 Dicranocarpus parviflorus Gray
7843 Phacelia integrifolia Torr. var.
7844 Sartwellia mexicana Gray
7845 Nerisyrenia camporum (Gray) Greene Rollins

Jimenez - Camargo (via

Chihuahua

7846 Gutierrezia eriocarpa Gray
7847 Salvia bellotaeflora Benth.
7848 Aplopappus sp?
7849 Houstonia polypremoides Gray
7850 Phyllanthus polygonoides Nutt.[1] det. W.
7851 Euphorbia cinerascens Eng.[1] det. W.
7852 Pectis angustifolia var. subarestata Gray
7853 Notholaena sinuata (Lag.) Kaulf var. crenata Lennan CAW
7854 Pellaea microphylla Mett. CAW
7855 Acacia vernicosa Standl.
7856 Dyssodia fastigiata DC.
7857 Dyssodia polychaeta (Gray) Robins.
7858 Dyssodia polychaeta (Gray) Robins.
7859 Eriogonum Wrightii Torr.
7860 Dyssodia fastigiata DC.
7861 Florestina tripteris DC.
7862 Euphorbia albomarginata T&G det. W.[1]
7863 Panicum fasciculatum var. reticulatum (Torr.) Beal Chase
7864 Bahia glandulosa Greenm.
7865 Cassia leptadenia Greenm.
7866 Panicum hirticaule Presl. det. Chase
7867 Polanisia uniglandulosa (Cav.) DC.
7868 Comp.-Helianth.
7869 Artemisia Pringlei Greenm.
7870 Talinum aurantiacum Engelm.
7871 Quamoclit coccinea (L.) Moench.
7872 Dalea lachnostachys Gray
7873 Pectis filipes Harv. & Gray
7874 Euphorbia revoluta Engelm. det. W.
7875 Bouteloua eriopoda Torr. Chase
7876 Pappophorum Wrightii Wats. Chase
7877 Selloa glutinosa Spreng.
7878 Bouteloua gracilis (HBK) Lag. Chase
7879 Andropogon barbinodis Lag. Chase
7880 Notholaena Grayi Davenp.
7880A N. sinuata var. crenata CAW

7881 Acalypha neomexicana Mull. Arg. det. W.
7882 Nicolletia Edwardsii Gray
7883 Physalis lobata Torr.
7884 Jatropha macrorhiza var. septemifida Eng.[1] det. W.
7885 Euphorbia stictospora Eng.[1] det. W.
7886 Euphorbia serpens HBK[1] det. W.
7887 Sphaeralcea angustifolia (Cav.) Don.
7888 Simsia
7889 Anoda Thurberi Gray

Camargo — Mesteñas

Chihuahua

7890 Aster tanacetifolius HBK.
7891 Eriogonum Abertianum Torr.
7892 Crotalaria pumila Ort.
7893 Zexmenia brevifolia Gray — (Blake)
7894 Janusia gracilis Gray
7895 Notholaena Standleyi Maxon CAW
7896 Notholaena aurea (Poir.) Desv. CAW
7897 Euphorbia hyssopifolia L. det. W.
7898 Bidens leptocephala Sherff.
7899 Desmodium procumbens
7900 Elytraria imbricata (Vahl) Pers.
7901 Lesquerella purpurea (Gray) Wats. Rollins
7902 Notholaena Grayi Davenp. CAW
7903 Cheilanthes Wrightii Hook
7903 A. C. horridula Maxon CAW
7904 Bouteloua aristidoides (HBK) Griseb. Chase
7904 A. Desmodium procumbens
7905 Nicolletia Edwardsii Gray
7906 Solanum (prickley herb., fl. blue)
7907 Aster tanacetifolius HBK
7908 Pectis papposa Gray
7909 Selloa glutinosa Spreng.
7910 Euphorbia exstipulata Eng.[1] det. W.
7911 Euphorbia cuphosperma det. W.
7912 Abutilon incanum Sweet
7913 Ayenia pusilla L. var.
7914 Tetramerium hispidum Nees.
7915 Polygala obscura Benth ?
7916 Abutilon crispum (L.) Don
7917 Euphorbia arizonica Engelm. det. W.
7918 Nissolia Pringlei Rose ?
7919 Froelichia sp.
7920 Perityle trisecta Rydb.
7921 Euphorbia exstipulata Eng.[1] det. W.
7922 Anthericum Torreyi Baker
7923 Notholaena sinuata (Lag.) Kaulf. CAW
7924 Cheilanthes Lindheimeri Hook. CAW
7925 Euphorbia micromeris Boiss Wheeler

7926 Mollugo verticillata L.
7927 Euphorbia sp.
7928 Euphorbia serrula Eng.[1] det. W.
7929 Eragrostis diffusa Buckl. unicate det. Chase
7930 Boerhaavia sp.
7931 Euphorbia capitellata Eng. det. W.
7932 comp.- helianth.
7933 Gutierrezia Sarothrae (Pursh) Britt.&Rusby
7934 Verbesina encelioides B.&H. — (Blake)
7935 Xanthocephalum gymnospermoides (Gray) B.&H.
7936 Verbesina
7937 Bouteloua eriopoda Torr. Chase
7938 Muhlenbergia arenicola Buckl. Chase
7939 Aplopappus spinulosus (Pursh) DC
7940 Euphorbia serrula Eng.[1] det. W.
7941 Euphorbia sp. det. W.
7942 Bahia glandulosa Greenm.
7943 Aster Leucelene Blake
7944 Viguiera dentata (Cav.) Spreng — (Blake)
7945 Gaillardia comosa Gray?
7946 Aphanostephus humilis Gray?
7947 Dyssodia polychaeta (Gray) Robins.
7948 Pectis angustifolia var. subaristata Gray

Mestenas — Ojinaga on Rio Grande

Chihuahua

7949
7950 Eriogonum Wrightii Torr.
7951 Pectis prostrata Cav.
7952 Euphorbia serrula Eng.[1] det. W.
7953 Euphorbia sp. det. W.
7954 Euphorbia indivisa (Eng.) Tidestr. det. W.
7955 Quercus sp.
7956 Schkuhria anthemoides (DC) Coult
7957 Viguiera dentata (Cav.) Spreng — Blake
7958 Tridax
7959 Melampodium leucanthum T&G
7960 Houstonia rubra Cav.
7961 Dyssodia polychaeta (Gray) Robins.
7962 Dyssodia Berlandieri (DC) Blake
7963 Zinnia grandiflora Nutt — (Blake)
7964 Dalea Lemmoni Gray
7965 Gaillardia pinnatifida Torr.
7966 Berlandiera lyrata Benth.
7967
7968 Gaillardia linearis Rydb.
Eryngium Wrightii Gray
7969 Pectis angustifolia var. subaristata Gray
7970 Aphanostephus humilis Gray ?
7971 Bouteloua Parryi (Fourn.) Griffiths Chase

7972 Amaranthus Pringlei Wast
7972 A. Amaranthus sp.
7973 Froelichia gracilis (Hook) Moq.
7974 Salvia leptophylla Benth.
7975 Hymenoclea monogyra Gray
7976 Lepidium lasiocarpum Nutt. Rollins
7977 Gymnopteris hispida (Metl.) Underw. CAW
7978 Cheilanthes CAW
7979 Notholaena Standleyi Maxon white indument CAW
7980 Cheilanthes aurea (Poir.) Desv. CAW
7981 Euphorbia serrula Eng.[1] det. W.
7982 Euphorbia sp. det. W.
7983 Bahia absinthifolia Benth.
7984
7985 Cheilanthes Wrightii Hook CAW
7986 Aristolochia brevipes Benth.
7987 Euphorbia cinerascens Eng. det. W.
7988 Plumbago scandens L.
7989 comp.-Helianth.
7990 Panicum obtusum HBK unicate
7991 Euphorbia albomarginata T&G det. W.[1]
7992 Panicum hirticaule Presl.
7993 Bartlettia scaposa Gray
7994 Euphorbia sp. det. W.
7995 Euphorbia serrula Eng.[1] det. W.
7996 Synthlepsis Greggii Gray Rollins
7997 Euphorbia cinerascens Eng.[1] det. W.
7998 Heliotropium angustifolium Torr.
7999

Determinations by Prof. A. S. Hitchcock Jan. 1927.

Ivan M. Johnston.

Jan. 14, 1927.

✓4917. Cortaderia speciosa Stapf

✓4874. " "

✓6077. Catabrosa latifolia Phil.

✓6200. " "

✓5807. Distichlis spicata (L.) Greene

✓3699. " "

5798. Eragrostis attenuata Hitchc.

✓5290. " "

✓5404. " "

✓5229. " "

3538. " "

✓3537. " peruviana (Jacq.) Trin.

✓5575. " "

✓5291. " "

✓5406. " "

✓5730. Poa bonariensis Kunth

✓5627. " "

✓5474. " "

✓5405. " "

✓5801. " "

✓6024. " scaberula Hook.

✓6081. Puccinellia frigida (Phil.) (Catabrosa Phil.)

✓6198. " "

✓6140. " "

2--Ivan M. Johnston

5232. Festuca megalura Nutt.

5727. " australis Nees

5403. " lasiorrhachis Pilger

6222. " rigescens (Presl) Kunth

4916. " "

6138. " "

6139. " "

6076. " "

5728. " dolichophylla Presl

5230. Bromus trinii Desv.

6126. " macranthus Mey.

6002. " "

5410. Elymus agropyroides Presl

5292. " "

5913. Hordeum chilense Brogn.

5005. Imperata brasiliensis Trin.

5799. Paspalum vaginatum Swartz

5006. Cenchrus myosuroides H.B.K.

5206. Nassella chilensis (Trin.) Desv.

5731. " pubiflora (Trin. & Rupr.) Desv.

5408. " "

5628. " "

5231. " "

3--Ivan M. Johnston

6080. Calamagrostis curvula (Wedd.) Pilger

6223. " "

6197. " "

6028. " "

5007. Polypogon elongatus H.B.K.

4856. " lutosus (Poir.) Hitchc.

5800. " "

6096. Deschampsia andina Phil.

6079. " "

5962. " "

6097. Trisetum spicatum (L.) Richt.

5539. " "

5407. " "

5541. Koeleria trachycantha R. A. Phil.

5802. " "

5732. Stipa tortuosa Desv.

5805. " "

4803. " "

4804. " "

5117. " "

5116. " "

5540. " "

5561. " "

5062. " "

4--Ivan M. Johnston

✓6078. Stipa speciosa Trin. & Rupr.

✓4947. " "

✓4931. " "

✓4891. " "

✓6003. " "

✓5806. " "

✓5409. " "

✓5733. " "

✓6095. " "

✓6188. " humilis Cav.

✓ 5004. " neesiana Trin. & Rupr.

✓5629. " plumosa Trin.

4805. " "

✓5803. " "

✓5804. " "

✓4802. " "

✓5599. " "

✓3579. " annua Mez

✓6127. " pogonathera Desv.

✓ 3582. " plumosa Trin.

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
WASHINGTON

DIVISION OF
PLANT EXPLORATION AND INTRODUCTION

January 19, 1939

Dr. Ivan Johnston,
The Arnold Arboretum,
Harvard University,
Jamaica Plain, Mass.

Dear Doctor Johnston:

Enclosed is the list of names of the grasses received from you some time ago. We are delighted to have these grasses. No. 7132 is a species new for North America. I have referred it tentatively to Sporobolus phleoides Hack. from Cordoba, Argentina. The type of this in the Hackel Herbarium consisted of three panicles only, not a leaf present. It is a Stuckert specimen and I understand the Stuckert grasses sent to Hackel were all returned to him except the fragments that Professor Hackel kept. The Stuckert grasses were ~~deposited~~ stored in the Delessert Herbarium in Geneva, but when I was there in '22 Dr. Briquet said that Stuckert had left strict orders that the cases were not to be opened. The panicle and spikelets are very like yours, but two collections from Argentina with the same kind of panicle have a base somewhat different from yours. In any case it is a wonderful find. The species will be worked out definitely for your Flora.

No. 7358 is an over mature specimen of Bouteloua that does not fall into any species of Bouteloua. Mr. Swallen has done the Chlorideae for the North American Flora and has Bouteloua well in mind. He hesitated to send this in as an addition to his manuscript because the specimens are well past maturity. We hope on your next trip that you may be able to collect this species again.

I was delighted to see Muhlenbergia repens from Mexico. The type was collected in Mexico, and, so far as we know, the species has never since been found south of the United States.

You see what a thrilling lot of grasses you sent us. We are eagerly awaiting results of your next trip.

Sincerely yours,

Agnes Chase

Agnes Chase, Senior Botanist
Office address: Smithsonian Institution

List of Mexican Grasses (1938

Collector: Ivan M. Johnston

Place: Mexico

Date: Jan. 17, 1939

det Chase

7010. Sporobolus wrightii Munro

7017. Triodia texana S. Wats.

7041. " albescens Vasey

7043. Aristida adscensionis L.

7047. Pappophorum bicolor Fourn.

7091. Triodia mutica (Torr.) Scribn. = no 7110 not reported by Chase

7117. Bouteloua barbata Lag.

7132. Sporobolus phleoides Hack.?

7133. " airoides (Torr.) Torr.

7170. Panicum hallii Vasey

7171. Bouteloua trifida Thurb.

7172. Muhlenbergia porteri Scribn.

7174. Triodia mutica (Torr.) Scribn.

7200. Bouteloua breviseta Vasey

7249. " hirsuta Lag.

Setaria 7250. Lycurus phleoides H.B.K.

7251. Hilaria cenchroides H.B.K.

7252. Triodia acuminata H.B.K.

7288. Muhlenbergia dubia Fourn.

7289. " rigida (H.B.K.) Kunth

7290. Sitanion hystrix (Nutt.) J. G. Smith

7291. Aristida curvifolia Fourn.

7296. Stipa tenuissima Trin.

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7297. Stipa neomexicana (Thurb.) Scribn. 2nd collection from south of U. S.; the other received recently

7298. " eminens Cav.

7299. Bouteloua uniflora Vasey (second from Mexico)

7303. Stipa editorum Fourn.

Carneiro 7304. Muhlenbergia arenicola Buckl.

7305. " thurberi Rydb.

7307. Triodia pulchella H.B.K.

7358. Bouteloua possibly new

7361. Stipa editorum Fourn. ~~a panicle of S. eminens~~ & many florets of that on the sheet (S. eminens has more open panicle, larger fruits, longer awns

note no other duplicates of this collection

7362. Sporobolus wrightii Munro

7371. Leptochloa dubia (H.B.K.) Nees

7372. Bouteloua gracilis (H.B.K.) Lag.

7373. Muhlenbergia arenicola Buckl.

7374. Aristida hamulosa Henr.

7399. Andropogon perforatus Trin.

7418. Muhlenbergia tenuifolia (H.B.K.) Kunth

7419. Panicum obtusum H.B.K.

7427. Sporobolus pyramidatus (Lam.) Hitchc.

7428. Buchloë dactyloides (Nutt.) Engelm.

7429. Leptochloa fascicularis (Lam.) A. Gray

7457. Aristida barbata Fourn.

7460. Eragrostis diffusa Buckl.

7461. Bouteloua simplex Lag.

7592. " gracilis (H.B.K.) Lag.

7609. Muhlenbergia repens (Presl) Hitchc. the long-awaited collection from Mexico, whence described. Not since found there until this.

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7615. Muhlenbergia thurberi Rydb.

7642. " "

7697. Bouteloua breviseta Vasey

7786. Eragrostis arida Hitchc.

7787. Sporobolus pyramidatus (Lam.) Hitchc.

7788. Hilaria mutica (Buckl.) Benth.

7816. Cottea papphoroides Kunth

7863. Panicum fasciculatum var. reticulatum (Torr.) Beal

7875. Bouteloua eriopoda (Torr.) Torr.

7876. Pappophorum wrightii S. Wats.

7878. Bouteloua gracilis (H.B.K.) Lag.

7879. Andropogon barbinodis Lag.

7904. Bouteloua aristidoides (H.B.K.) Griseb.

7937. " eriopoda (Torr.) Torr.

7938. Muhlenbergia arenicola Buckl.

7971. Bouteloua parryi (Fourn.) Griffiths

7992. Panicum hirticaule Presl

Nov. 10, 1938.

Mexican Ferns I. M. Johnston

7092 Cheilanthes horridula Maxon
7167 Notholaena Schaffneri (Fourn.) Underw.
7205 " candida (Mart. & Gal.) Hook.
7206 Pellaea microphylla Mett.
7207 Cheilanthes horridula Maxon
7208 Selaginella Wrightii Hieron.
7209 Notholaena Aschenborniana Kl.
7235 " sinuata (Lag.) Kaulf. var. crenata Lemmon
7236 Selaginella lepidophylla (H. & G.) Spring
7269 Notholaena limitanea Maxon var. mexicana Maxon
7270 Cheilanthes Eatoni Baker
7573 Notholaena sinuata (Lag.) Kaulf.var. crenata Lemmon(transitional)
7660 " Aschenborniana Kl.
7743 Cheilanthes horridula Maxon
7744 Notholaena Standleyi Maxon with very yellow indument
7745 Cheilanthes leucopoda Link
7792 Notholaena sinuata (Lag.) Kaulf. var. crenata Lemmon
7793 Cheilanthes horridula Maxon
7853 Notholaena sinuata (Lag.) Kaulf. var. crenata Lemmon
7854 Pellaea microphylla Mett.
7880 Notholaena Grayi Davenp.
7880a " sinuata (Lag.) Kaulf. var. crenata Lemmon
7895 " Standleyi Maxon
7896 " aurea (Poir.) Desv.
7902 " Grayi Davenp.
7903 Cheilanthes Wrightii Hook.
7903a " horridula Maxon
7923 Notholaena sinuata (Lag.) Kaulf.
7924 Cheilanthes Lindheimeri Hook.
7977 Gymnopteris hispida (Mett.) Underw.
7978 Cheilanthes ------
7979 Notholaena Standleyi Maxon with white endument
7980 " aurea (Poir.) Desv.
7985 Cheilanthes Wrightii Hook.